

# Product Datasheet

## Recombinant Human Claudin-2 GST (N-Term) Protein H00009075-Q01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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### Publications: 2

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**H00009075-Q01-10ug****Recombinant Human Claudin-2 GST (N-Term) Protein**

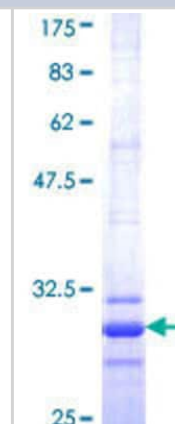
Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	31.46 kDa

Product Description	
Description	<p>A recombinant protein with a N-terminal GST tag corresponding to the amino acid sequence 29-80 of Human Claudin-2</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b> SWKTSSYVGASIVTAVGFSKGLWMECATHSTGITQCIDIYSTLLGLPADIQAA</p>
Gene ID	9075
Gene Symbol	CLDN2
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

**Images**

12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Lim TS, Vedula SR, Hunziker W et al. Kinetics of Adhesion Mediated by Extracellular Loops of Claudin-2 as Revealed by Single Molecule Force Spectroscopy. J Mol Biol;381(3):681-91. 2008-09-05 [PMID: 18635194]

Lim TS, Vedula SR, Huic S et al. Probing Effects of pH change on Dynamic Response of Claudin-2 Mediated Adhesion Using Single Molecule Force Spectroscopy. Exp Cell Res 2008-06-01 [PMID: 18602630]





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### **Products Related to H00009075-Q01-10ug**

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236-EG-200	EGF [Unconjugated]
NBP2-92140-0.1ml	Claudin-2 Antibody - Azide and BSA Free
210-TA-005	TNF-alpha [Unconjugated]
NBP2-22203	ERK1 Antibody (1E5) - BSA Free

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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